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CLAIMS:

1. An apparatus for separating two or more components of a feed material prior to or simultaneous
5 with at least partially vaporising one of the components, said apparatus comprising at least one inlet for admitting the feed material containing the two components to the apparatus, and a device for introducing a first movement
10 to the feed material whereby the two components are partially separated from each other, and at least one outlet for discharging the separated components, wherein at least one of the materials is at least partially vaporised prior to being discharged from the outlet.
- 15 2. A method of separating one component from another component of a feed material, comprising admitting the feed material containing the components to a part of the apparatus to impart a first movement to the feed material
20 for at least partially separating the components from each other and to enhance the chance of one of the components being vaporised, vaporising at least part of the one component, separating the one component from the other component by the one component having a tendency to remain as a vapour in the apparatus whereas the other component
25 has a tendency or propensity to be condensable to a liquid in the apparatus, and discharging the one and the other components from the apparatus whereby separation of the two components is substantially maintained.
- 30 3. An apparatus or method of any preceding claim in which the feed material is an aqueous waste material or an organic solvent based waste material.